

Docket No. 283569US0PCT



MAIL STOP PCT IFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Russel J THOMAS, et al.

SERIAL NO: 10/565,557

GAU:

FILED: January 23, 2006

EXAMINER:

FOR: ARYL DICARBOXAMIDES

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☒ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.

Norman F. Oblon

Registration No. 24,618

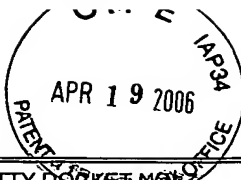
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Form PTO 1449  
(Modified)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY DOCKET NO.  
283569US0PCTSERIAL NO.  
10/565,557

## LIST OF REFERENCES CITED BY APPLICANT

APPLICANT

Russel J THOMAS, et al.

FILING DATE

January 23, 2006

GROUP

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AO	03/024955	03/27/03	WO		NO
	AP	00/69810	11/23/00	WO		NO
	AQ	03/064376	08/07/03	WO		NO
	AR					
	AS					
	AT					
	AU					
	AV					

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

	AW	CHOONG, Ingrid C. et al., "Identification of Potent and Selective Small-Molecule Inhibitors of Caspase-3 through the Use of Extended Tethering and Structure-Based Drug Design", Journal of Medicinal Chemistry, Vol. 45, No. 23, Pages 5005-5022, 2002.				
	AX	AHIMA, Rexford S. et al., "Leptin", Annu. Rev. Physiol., Vol. 62, Pages 413-437, 2000.				
	AY	BERGNES, Gustave et al., "Generation of an Ugi Library of phosphate mimic-containing compounds and identification of novel dual specific phosphatase inhibitors", Bioorganic & Medicinal Chemistry Letters, Vol. 9, Pages 2849 -2854, 1999.				
	AZ	BJORGE, Jeffrey D. et al., "Identification of protein-tyrosine phosphatase 1B as the major tyrosine phosphatase activity Capable of dephosphorylating and activating c-src in several human breast cancer cell lines", The Journal of Biological Chemistry, Vol. 275, No. 52, Pages 41439-41446, 2000.				<input checked="" type="checkbox"/> Additional References sheet(s) attached

Examiner

Date Considered

\*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO.  283569US0PCT		SERIAL NO.  10/565,557	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT  Russel J THOMAS, et al.			
				FILING DATE  January 23, 2006		GROUP	
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	AAA	CHENG, Alan et al., "Attenuation of leptin action and regulation of obesity by protein tyrosine phosphatase 1B", Developmental cell, Vol. 2, Pages 497-503, 2002.					
	AAB	DEFRONZO, Ralph A. et al., "Insulin Resistance: A Multifaceted syndrome responsible for NIDDM, Obesity, Hypertension, Dyslipidemia, and atherosclerotic cardiovascular disease", Diabetes Care, Vol. 14, No. 3, Pages 173-194, 1991.					
	AAC	DIAMANTI-KANDARAKIS, Evanthia et al., "Therapeutic effects of metformin on insulin resistance and hyperandrogenism in polycystic ovary syndrome", European Journal of Endocrinology, Vol. 138, Pages 269-274, 1998.					
	AAD	DUNAIF, "Insulin resistance and the polycystic ovary syndrome: mechanism and implications for pathogenesis", Endocrine Reviews, Vol. 18, No. 6, Pages 774-800, 1997.					
	AAE	ELCHEBLY, Mounib et al., "Modulation of insulin signaling by protein tyrosine phosphatases", J. Mol. Med., Vol. 78, Pages 473-482, 2000.					
	AAF	JARRETT, R. J., "Cardiovascular disease and hypertension in diabetes mellitus", Diabetes/Metabolism Reviews, Vol. 5, No. 7, Pages 547-558, 1989.					
	AAG	KENNEDY, Brian P. et al., "Protein tyrosine phosphatase- 1b in diabetes", Biochemical Pharmacology, Vol. 60, Pages 877-883, 2000.					
	AAH	KLAMAN, Lori D. et al., "Increased energy expenditure, decreased adiposity, and tissue-specific insulin sensitivity in protein-tyrosine phosphatase 1B-deficient mice", Molecular and Cellular Biology, Vol. 20, No. 15, Pages 5479-5489, 2000.					
	AAI	MCGUIRE, Mary C. et al., "Abnormal regulation of protein tyrosine phosphatase activities in skeletal muscle of insulin-resistant humans", Diabetes, Vol. 40, Pages 939-942, 1991.					
	AAJ	MEYEROVITCH, Joseph, et al., "Hepatic phosphotyrosine phosphatase activity and its alterations in diabetic rats", J. Clinical Invest., Vol. 84, Pages 976-983, 1989.					
	AAK	MOLLER, et al., "Protein tyrosine phosphatases (PTPs) as drug targets: Inhibitors of PTP-1B for the treatment of diabetes", Current Opinion in Drug Discovery & Development, Vol. 3, No. 5, Pages 527-540, 2000.					
	AAL	PATHRE, Purnima et al., "PTP1B regulates neurite extension mediated by cell-cell and cell-matrix adhesion molecules", Journal of Neuroscience Research, Vol. 63, No. 2, Pages 143-150, 2001.					
	AAM	REAVEN, Gerald M. et al., "Nonketotic diabetes mellitus: insulin deficiency or insulin resistance?", The American Journal of Medicine, Vol. 60, Pages 80-88, 1976.					
	AAN	SHOCK, Lisa P. et al., "Protein tyrosine phosphatases expressed in developing brain and retinal Mueller glia", Molecular Brain Research, Vol. 28, No. 1, Pages 110-116, 1995.					
	AAO	SREDY, Janet et al., "Insulin resistance is associated with abnormal dephosphorylation of a synthetic phosphopeptide corresponding to the major autophosphorylation sites of the insulin receptor", Metabolism, Vol. 44, No. 8, Pages 1074-1081, 1995.					
	AAP	STOUT, Robert W., "Overview of the association between insulin and atherosclerosis", Metabolism, Vol. 34, No. 12, Pages 7-12, 1985.					
	AAQ	ZHANG, Zhong-Yin, "Protein tyrosine phosphatases: prospects for therapeutics", Curr. Opin., Chem. Biol., Vol. 5, No. 4, Pages 416-423, 2001.					
Examiner						Date Considered	
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

U.S. PCT Application Serial No: 10/565,557

Filed: January 23, 2006

Russel J THOMAS, et al.

Docket No. 283569 US

#### STATEMENT OF RELEVANCY

- 1) References AO - AQ & AW have been cited in the International Search Report. A copy of these references is being submitted herewith.
- 2) References            have been cited in the corresponding            Search Report. A copy of these references is being submitted herewith.
- 3) References AX - AAQ are discussed in the specification. A copy of these references is being submitted herewith.
- 4) References            are additional prior art known to Applicant. A copy of these references is being submitted herewith.

		Docket No.: 283569US0PCT		Serial No.: 10/565,557	
LIST OF RELATED CASES CITED BY APPLICANT UNDER 37 CFR 1.56		Inventor: Russel J THOMAS, et al.			
		Filing Date: January 23, 2006		Group:	
<b><u>LIST OF RELATED CASES</u></b>					
Examiner <u>Initial</u>	<u>Docket No.</u>	Serial or <u>Patent</u> <u>Number</u>	Filing or <u>Issue Date</u>	Patent App. <u>Publication No.</u>	Inventor or <u>Applicant</u>
	282186US0PCT	10/565,538	01/23/06		SWINNEN, et al.
	283569US0PCT*	10/565,557	01/23/06		THOMAS, et al.
Examiner		Date Considered			
<p>*Present Application; listed for information NFO/sbs/kch</p>					